

Internal File

2001 Annual Report Review

Permittee:	<u>PacifiCorp / Energy West Mining Company</u>	
Mine Name:	<u>Trail Mountain Mine</u>	
Permit Number:	<u>C/015/009</u>	
Date Report Received:	<u>April 2, 2002 SLO / April 10, 2002 / PFO</u>	
Assigned Reviewers:	<u>Peter Hess / Engineer / Inspector</u>	Date Completed <u>6/18/2002</u>
	<u>James D. Smith</u>	<u>June 27, 2002</u>
	<u>Joe Helfrich, Biology</u>	<u>November 27, 2002</u>

Instructions: The assigned staff will review their respective portions of the Annual report and provide a written determination (findings) on how the mine has or has not met the permit requirements for reporting. If the report is deficient or remedial action is required to obtain compliance, this should be noted and the inspector notified. Once all reviewers have completed the report, they should initial it and a copy will be filed in the Mine Internal File.

Assignments:

Inspectors:	Review each cover sheet, AVS Legal/Financial, Mine Sequence Maps.
Hydrologists:	Review Water Monitoring Data, Precipitation and Climatological Data, Non-Coal Waste
Biologists:	Review Vegetation/Revegetation Success Monitoring, Raptor Survey
Engineers:	Review Subsidence Monitoring Data, Annual Impoundment Certification, Annual Overburden, Spoils, Refuse, Floor, etc.

SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Cover Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Appears complete and adequate. Mining ceased in March 2001. Seals were completed by end of May 2001. Portal seal accesses barricaded with chain link fencing.
AVS; Legal/ Financial Update	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Utah Dept. of Commerce on file at UDNR/OGM Salt Lake Offices
Mine Sequence Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Trail Mountain Mine 2001 production map submitted with annual report. All mining ceased in March 2001 with the completion of the 1 st Right off of 5 th Left longwall panel. This map is not P.E. certified.
Water Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Submitted quarterly
Precipitation & Climatological Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Non-Coal Waste report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No report submitted. All noncoal waste receives final disposal in the Emery County landfill.

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SECTIONS TO REVIEW	SUBMITTED YES NO		FINDINGS
Subsidence Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>A coordinated review of the Trail Mountain Mine 2001 production map with the East Mountain / Trail Mountain 2001 subsidence map reveals that although mining ceased in March of 2001 in the 1st Right off of 5th Left longwall panel, no subsidence has occurred from the extraction of that panel. The 1st Right off of 5th Left panel exists between a barrier pillar left to protect the 3rd West Mains and the 2nd Right off 5th Left longwall panel (which remains in place because of uncontrollable ground responses). The subsidence report describes two areas. Area 23 and the subsidence impacts associated with it are described on page 114 of the submitted report. Area 23 consists of four longwall panels which were developed on the east side of the south end of 5th Left Mains. Mining ceased in this area in March of 1997 with an average extraction thickness of 8 feet. The amount of deformation varies from 2 feet on the perimeter of the extracted area to eight feet in the center. One area located on the east side of the 5th East panel has reported a deflection of 22 feet. This point is in an area where steep terrain exists. Monitoring inaccuracies or the movement of a large boulder may have affected results; no additional change has been detected over the last four years. The subsidence area depicted is entirely contained within the undermined area, confirming that a calculated angle of draw steeper than 10 degrees from vertical exists. No surface impacts or other visual evidence of subsidence has been observed in Area 23. The one spring located in the area has been reported as not seeing any adverse affect on quantity.</p> <p>Area 24 is described on page 120 of the annual subsidence report and it is the area which contains the most recent mining, i.e., 1st Right off of 5th Left. The mining height in all panels extracted from the west side of 5th Left averaged nine feet, with overburden varying from 1400 to 2200 feet (going from SW to NE). According to the Energy West submittal, an increase in subsidence occurred in 2000 from that which had been recorded in previous years. The Energy West report states that due to the fact that subsidence in the area is not mature, no angle of draw was calculated. Subsidence which has occurred has had no affect on current land use or hydrology in the area.</p>
Annual Impoundment Certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>P.E. certified impoundment inspections were submitted for all four quarters of 2001. No hazards or signs of instability were reported during any of those inspections. As of January 7, 2002, the Mine site sediment pond had 0.19 A.F. of sediment storage capacity remaining.</p>
Annual Overburden, Spoil, Refuse, Floor, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Vegetation Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Collected 8/31 and 09/01 2001 for qualitative data. Quantitative data was also taken at the ninth east road breakout. Veg maps were certified 04/03/2002 by John Christensen.
Revegetation Success Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Qualitative sampling was conducted this year, the site condition for the reference areas was very good. Other areas sampled demonstrated good cover and diversity. North side of outslope dominated by halogeton.
Raptor Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The raptor survey for the east and trail mountain properties was conducted on May 18, 2001. The map should include the status nests identified or an attached narrative. The majority of the nests were golden Eagle, other species included prairie and perrigrinne falcons, red tailed and, ferruginous hawks, buteo and raven.
Other Information	<input type="checkbox"/>	<input type="checkbox"/>	

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